

## ABSTRACT OF THE DISCLOSURE

A force-applying input device includes a mechanical section including a tilting shaft, an operation section  
5 mounted to an end of the tilting shaft, first to fourth pressure sensors disposed between the tilting shaft and the operation section, first and second direct-current motors for applying a force to the operation section, first and second position sensors for detecting the direction and amount of  
10 rotation of the first and second direct-current motors, and a controller. The first to fourth pressure sensors detect a torque ripple of the first and second direct-current motors in order for the controller to output a correction signal for eliminating the torque ripple.